

Claims

1. A method for the treatment of oncological diseases characterized by introducing of blood extracellular DNA destroying agent into a systemic blood circulation.

2. A method according to claim 1 which characterized by introducing of blood extracellular DNA destroying agent in doses sufficient to provide blood extracellular DNA electrophoretic profile change, which change can be revealed by pulse- gelelectrophoresis.

3. A method according to claim 1 wherein agent destroying blood extracellular DNA is introduced in doses and regimens which provide blood plasma DNA-hydrolytic activity ,measured in blood plasma, to exceed 150 Kunitz units per liter of plasma during more then 12 hours in total within 24 hours.

4. A method according to claim 3 wherein the treatment is carried out during no less than 48 hours uninterruptedly.

5. A method according to claim 1 wherein DNAase enzyme is used as the agent destroying blood extracellular DNA.

6. A method according to claim 5 wherein bovine pancreatic DNAase is used and it is parenterally introduced in doses ranging from of 50 000 Kunitz units to 250 000 000 Kunitz units daily during 5-360 days.

7. A method according to claim 5 wherein human recombinant DNAase is used.

8. A method according to claim 7 wherein human recombinant DNAase I (Dornase alpha) is used and it is parenterally introduced in doses 0,15 mg/kg – 500 mg/kg of body weight daily during 5-360 days.

9. A method according to claim 1 wherein the treatment is carried out for term of life.

10. A method according to claim 1 wherein in addition to the said treatment an agent binding the blood extracellular DNA is introduced
5 into a systemic blood circulation.

11. A method according to claim 10 wherein anti -DNA antibodies are used as the agent binding blood extracellular DNA.

12. A method according to claim 1 wherein in addition to the said treatment an modifying agent which modifies the chemical
10 composition and/or conformation and/or polymery and/or an association with proteins and/or lipids and/or ribonucleic acids of the blood extracellular DNA is introduced into a systemic blood circulation.

13. A method according to claim 12 wherein ribonuclease enzyme is used as the said agent.

15 14. A method according to claim 12 wherein extracellular ribonuclease of a Serratia Mercenses bacterium is used as the said agent.